Karlsruhe Institute of Technology

**Satellite Climatology**
**Prof. Dr. Jan Cermak**

Within a new research project we are looking for a

## *PhD student in*
## Satellite-Based Analysis of Fog Life Cycles in the Namib

The position can be filled immediately, and is available for up to three years (75% E13)

To enjoy this post you should be interested in

- fog and aerosols
- the application of statistical techniques for analyzing the climate system
- exploring new ways to exploit satellite data
- pursuing your own ideas in close exchange with others
- profiting from the immense collaboration potential in the group, the project, and at KIT

More on the project: https://www.imk-asf.kit.edu/english/skl_projects_3938.php
If this sounds good to you and you have a relevant background in climate science and/or remote sensing, we are looking forward to hearing from you as soon as possible via email to jan.cermak@kit.edu. With your application please include:

- Motivation letter
- A short comment (1/2 page) on how you think the findings of the following paper can be useful for understanding climate change effects on fog: https://doi.org/10.5194/acp-20-3415-2020
- CV
- Contact details of two potential referees

**Karlsruhe Institute of Technology (KIT)** is one of the biggest research institutions worldwide and has access to state-of-the art research facilities resulting from the merger of the National Research Centre of the Helmholtz Association and the former Technical University. For the atmospheric sciences in particular, this means a vibrant and exciting environment full of opportunities.

**The Satellite Climatology group** is interested in the role of clouds in the climate system, with ongoing projects focusing on the development and application of **satellite techniques and machine learning** in climate system research (http://www.imk-asf.kit.edu/english/satelliteclimatology.php).

**Karlsruhe** is a city of about 300,000 in the sunny south-west of Germany, with lots of urban green, a lively cultural environment, excellent public transport, very cycle-friendly, and with easy access to the Black Forest mountains.